



**CIVILS**

**CorriPipe<sup>TM</sup>**  
Fittings & Accessories



# JFC CorriPipe™

JFC CorriPipe™ is a Twinwall drainage pipe made from HDPE plastic manufactured by twin extrusion process in which the two layers are simultaneously extruded, one inside the other and heat welded together in one continuous step.

The outer wall is corrugated providing excellent structural strength which reduces the possibility of on-site damage. The inner wall has a smooth seamless finish to assist hydraulic flow. The design unlike traditional single-wall pipe prevents silt accumulation.

## Quality Assurance

CorriPipe™ is fully BBA (British Board of Agrément) approved to ensure reliability and long lasting service.

The following Agrément Certificates have been awarded to JFC CorriPipe™ Twinwall Pipe

- BBA, HAPAS Roads & Bridges Certificate No. 02/H069 (Sizes 150 - 600Ømm inclusive)
- Quality approved to internationally recognised ISO 9001-2015 standard

## Features & Benefits

- **Smooth internal plastic bore with reduced hydraulic resistance.** Manning's coefficient of 0.012 allows for greater flow capacity and also a greater factor of safety. This also reduces sediment or debris build-up when compared to concrete or steel.
- **Lightweight** when compared to traditional materials such as concrete or steel. E.G. (Up to 90% lighter than concrete).
- **Fully leak tested** to HAPAS requirements when used with rubber seals.
- Standard 6m lengths make it **quick and easy to install**, eliminating wastage and reduces labour and plant costs. E.G. (Up to 6 times faster installation compared to concrete).
- **Parallel corrugations** allow pipe to be easily cut square on site as required. (Spiral wound pipe makes it very difficult to create a square cut on site if required)
- JFC CorriPipe™ is available **unperforated, fully perforated or half perforated.**
- **Manufactured from exceptionally durable HDPE material with excellent corrosion resistance** and long term performance.
- **Resistant to most naturally occurring chemicals** and is therefore suitable for use on the majority of soil conditions.
- Can typically be installed with cover depths from 0.6 to 10m\*.

\* *Contact JFC for guidance on minimum and maximum burial depths.*

# Surface / Infrastructural Drainage

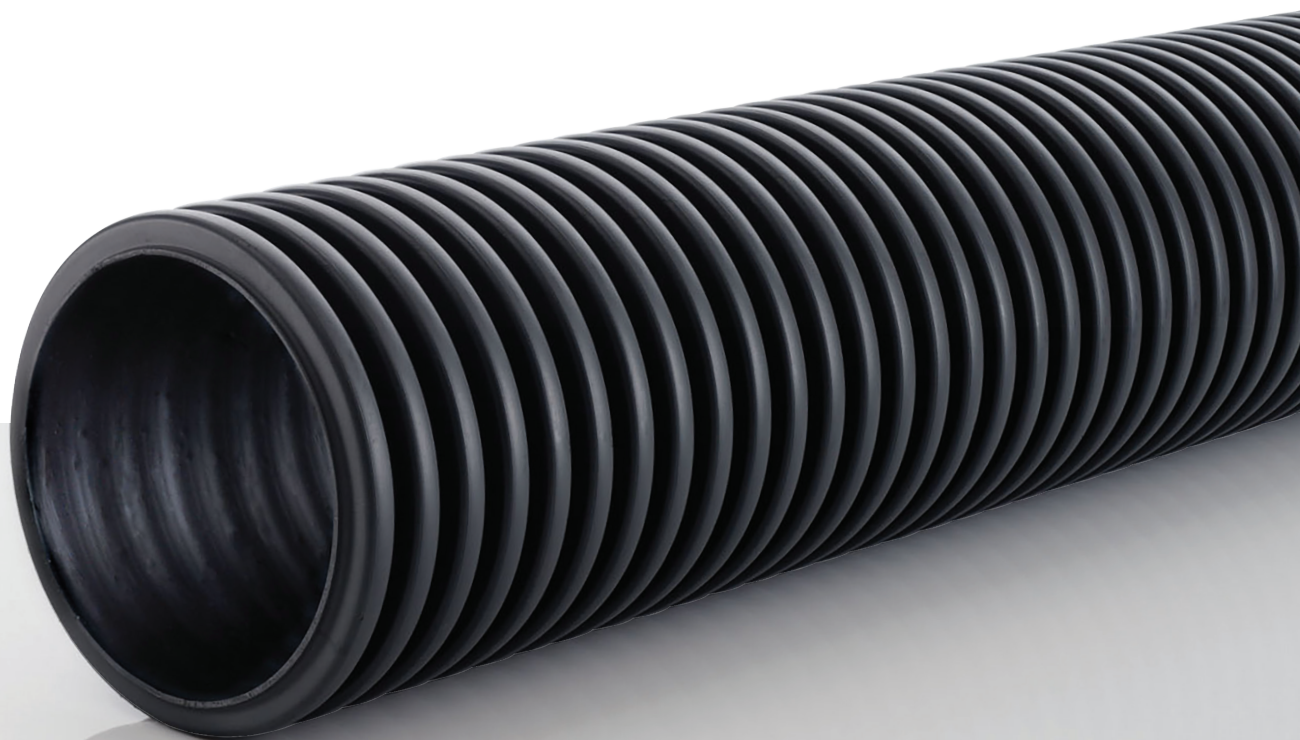
## Solid Twinwall CorriPipe™

### Applications

Ideal for gravity surface water and stormwater drainage applications this pipe is used for highway filter and carrier drains, rail track drainage, golf course land drainage, catchpits and land reclamation projects.

CODE	DESCRIPTION	NOM. ID	NOM. OD	LENGTHS / PACK
110TPU	110mm Unperforated CorriPipe™	94.5mm	111.5mm	100
150TPU	150mm Unperforated CorriPipe™	150mm	178mm	33
225TPU	225mm Unperforated CorriPipe™	225mm	265mm	14
300TPU	300mm Unperforated CorriPipe™	300mm	354mm	8
375TPU	375mm Unperforated CorriPipe™	372mm	426mm	5
450TPU	450mm Unperforated CorriPipe™	445mm	512mm	4
600TPU	600mm Unperforated CorriPipe™	592mm	680mm	2

CorriPipe™ comes in 6m lengths. Available in black as standard.



# Surface / Infrastructural Drainage

## Large Diameter Twinwall CorriPipe™ XL

JFC has further expanded its range of CorriPipe™ products with the introduction of 750mm, 900mm and 1050mm sizes.

These sizes are manufactured using the most advanced extrusion and polymer processing technology available. This technology is coupled with cutting edge materials to provide the ultimate large diameter surface and stormwater drainage pipe.

Large diameter CorriPipe™ is manufactured from recycled HDPE utilising a twin extrusion process. The inner and outer layers are simultaneously extruded, one inside the other and heat welded together in one continuous process. The outer solid wall is corrugated providing excellent structural strength, reducing the possibility of on-site damage. The inner wall has a smooth seamless finish to optimise hydraulic flow.

Our CorriPipe™ Twinwall drainage pipe has been used across numerous large scale projects throughout Ireland and the United Kingdom. Offering expert advice and comprehensive range of fittings and accessories, JFC is the brand of choice for leading contractors and project managers.

### Applications

Ideal for gravity surface water and stormwater drainage applications, this pipe is used for highway filter and carrier drains, rail track drainage, golf course drainage, catchpits and land reclamation projects. Available in black as standard.

### JFC CorriPipe™ XL Features & Benefits

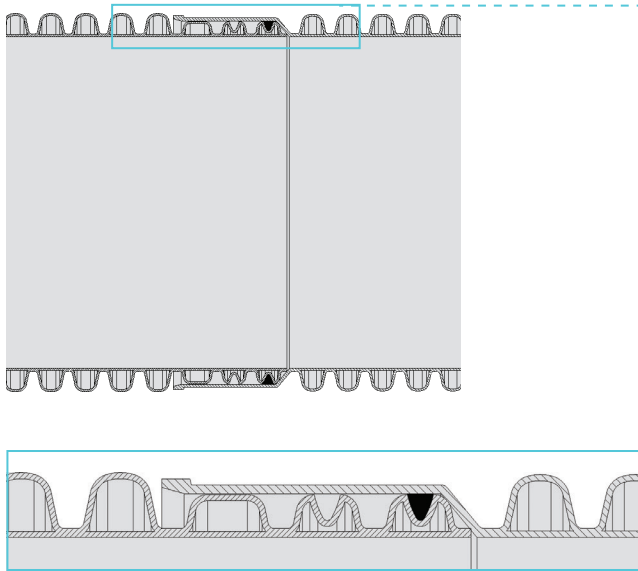
JFC CorriPipe XL has all the features and benefits listed on page 2 with the addition of the following which are specific to the XL range.

- **Superior structural strength** with SN2, SN4, and SN6 options available.
- **Unique Integrated socketing system** (traditional independent sockets also available).



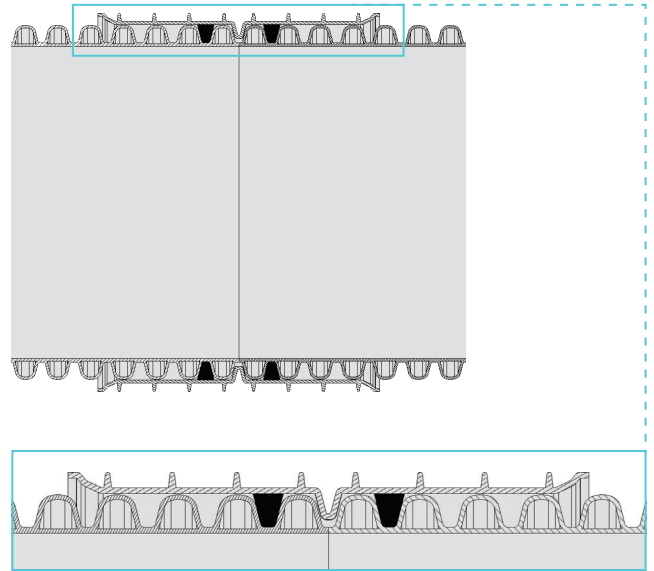
# Unique Integrated Socketing System

## Integrated Bell & Spigot Joint



- Removes need to deepen pipe bedding at joint.
- 1 seal per joint.
- Minimal distortion during transportation and storage.

## Traditional Independent Coupling



- Coupling option for plain ended pipe.

CODE:	DESCRIPTION	NOM. ID	NOM. OD	STANDARD LENGTH
750TP	750mm Fully Perforated CorriPipe™	750mm	848mm	6m
750TPU	750mm Unperforated CorriPipe™	750mm	848mm	6m
750TPH	750mm Half Perforated CorriPipe™	750mm	848mm	6m
900TP	900mm Fully Perforated CorriPipe™	900mm	1024mm	6m
900TPU	900mm Unperforated CorriPipe™	900mm	1024mm	6m
900TPH	900mm Half Perforated CorriPipe™	900mm	1024mm	6m
1050TP	1050mm Fully Perforated CorriPipe™	1050mm	1200mm	6m
1050TPU	1050mm Unperforated CorriPipe™	1050mm	1200mm	6m
1050TPH	1050mm Half Perforated CorriPipe™	1050mm	1200mm	6m

CorriPipe™ XL comes in 6m lengths including integrated coupler. Available in black as standard.

# Filter Drain / Land Drainage

## Perforated Twinwall CorriPipe™

This twinwall drainage pipe is supplied either fully perforated or half perforated depending on application required. The small perforations in the pipe enable water to be collected and carried away to a soakaway, water course or surface/rainwater drainage system. Available in black as standard.

Independent studies have shown that a velocity of 0.5 metres per second is needed to ensure drainage pipe will clear itself of silt. JFC 110mm (4") Twinwall pipe far exceeds this guideline with a maximum flow rate of 0.75 metres per second.

### Applications

This pipe is ideal for land drainage and flood risk or stormwater management applications.

CODE	DESCRIPTION	NOM. ID	NOM. OD	LENGTHS / PACK
110TP	110mm Fully Perforated CorriPipe™	94.5mm	111.5mm	100
150TP	150mm Fully Perforated CorriPipe™	150mm	178mm	33
150TPH	150mm Half Perforated CorriPipe™	150mm	178mm	33
225TP	225mm Fully Perforated CorriPipe™	225mm	265mm	14
225TPH	225mm Half Perforated CorriPipe™	225mm	265mm	14
300TP	300mm Fully Perforated CorriPipe™	300mm	354mm	8
300TPH	300mm Half Perforated CorriPipe™	300mm	354mm	8
375TP	375mm Fully Perforated CorriPipe™	372mm	426mm	5
375TPH	375mm Half Perforated CorriPipe™	372mm	426mm	5
450TP	450mm Fully Perforated CorriPipe™	445mm	512mm	4
450TPH	450mm Half Perforated CorriPipe™	445mm	512mm	4
600TP	600mm Fully Perforated CorriPipe™	592mm	680mm	2
600TPH	600mm Half Perforated CorriPipe™	592mm	680mm	2

CorriPipe™ comes in 6m lengths. Available in black as standard.

# CorriPipe™ Fittings & Accessories

JFC offer a broad range of CorriPipe™ fittings and accessory products that are quick and efficient to use and suitable for several applications. A wider range of pre-fabricated fittings for 375Ø, 450Ø, & 600Ømm pipe are also available on request.

## CorriPipe™ Couplers

Couplers join Twinwall pipes together and are supplied as standard with JFC CorriPipe™.



CODE:	DESCRIPTION	CODE:	DESCRIPTION
110TC	94/110mm Twinwall Coupler	TC450	450mm Twinwall Coupler
150TC	150mm Twinwall Coupler	TC600	600mm Twinwall Coupler
225TC	225mm Twinwall Coupler	TC750	750mm Twinwall Coupler
300TC	300mm Twinwall Coupler	TC900	900mm Twinwall Coupler
TC375	375mm Twinwall Coupler	TC1050	1050mm Twinwall Coupler

## Ring Seals - Plain Ended CorriPipe™

Seals ensure a waterproof and secure connection and are supplied as standard with JFC unperforated CorriPipe™.



CODE:	DESCRIPTION	CODE:	DESCRIPTION
150TRS	150mm Ø Ring Seal	600TRS	600mm Ø Ring Seal
225TRS	225mm Ø Ring Seal	750TRS	750mm Ø Ring Seal
300TRS	300mm Ø Ring Seal	900TRS	900mm Ø Ring Seal
375TRS	375mm Ø Ring Seal	1050TRS	1050mm Ø Ring Seal
450TRS	450mm Ø Ring Seal		

## Ring Seals - Bell & Spigot CorriPipe™

Seals ensure a waterproof and secure connection and are supplied as standard with JFC Large Diameter CorriPipe™.



CODE:	DESCRIPTION	CODE:	DESCRIPTION
750BBS	750mm Ø Ring Seal	1050BBS	1050mm Ø Ring Seal
900BBS	900mm Ø Ring Seal		

## CorriPipe™ Adaptors

Adaptors connect 110mm / 160mm single wall sewer pipe to 150, 225 & 300mm Twinwall pipe. Larger fabricated sizes available on request.



CODE:	DESCRIPTION
TC150/SWS6"	Adaptor for 150mm CorriPipe to 150mm single wall sewer
TC225/SWS9"	Adaptor for 225mm CorriPipe to 225mm single wall sewer
TC300/SWS12"	Adaptor for 300mm CorriPipe to 300mm single wall sewer

# CorriPipe™ Fittings & Accessories

## CorriPipe™ Bends

Bends are available in 15°, 30°, 45° and 90° angles and in varying lengths from 150-300mm.



CODE:	DESCRIPTION	CODE:	DESCRIPTION
150TB15	150mm CorriPipe™ 15° Bend	225TB45	225mm CorriPipe™ 45° Bend
150TB30	150mm CorriPipe™ 30° Bend	225TB90	225mm CorriPipe™ 90° Bend
150TB45	150mm CorriPipe™ 45° Bend	300TB15	300mm CorriPipe™ 15° Bend
150TB90	150mm CorriPipe™ 90° Bend	300TB30	300mm CorriPipe™ 30° Bend
225TB15	225mm CorriPipe™ 15° Bend	300TB45	300mm CorriPipe™ 45° Bend
225TB30	225mm CorriPipe™ 30° Bend	300TB90	300mm CorriPipe™ 90° Bend

*Larger fabricated sizes available on request.*

## CorriPipe™ Wyes

JFC supply a range of equal and unequal wyes (junctions) which range in size from 150mm to 375mm. They have equal and unequal diameter sockets in a range of sizes.



CODE:	DESCRIPTION
150TY45	150mm CorriPipe™ Equal 45° Wye
225TY45	225mm CorriPipe™ Equal 45° Wye
300TY45	300mm CorriPipe™ Equal 45° Wye
225/150TY45	225/150mm CorriPipe™ Unequal 45° Wye
300/225TY45	300/225mm CorriPipe™ Unequal 45° Wye

*Larger fabricated sizes available on request.*

## CorriPipe™ Tees

JFC supply a range of tees (junctions). They range in size from 150mm to 375mm. They have equal and unequal diameter sockets in a range of sizes.



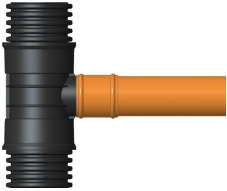
CODE:	DESCRIPTION
150TT90	150mm CorriPipe™ Equal 90° Tee
225TT90	225mm CorriPipe™ Equal 90° Tee
300TT90	300mm CorriPipe™ Equal 90° Tee
225/150TT90	225/150mm CorriPipe™ Unequal 90° Tee
300/150TT90	300/150mm CorriPipe™ Unequal 90° Tee
300/225TT90	300/225mm CorriPipe™ Unequal 90° Tee

*Larger fabricated sizes available on request.*



## CorriPipe™ Sewer Tees

Sewer Tees are used to T-off 110/160mm single wall sewer to Twinwall pipe.



CODE:	DESCRIPTION
150/SWS6"TT90	150mm CorriPipe™ 90° Sewer Tee to connect 110/160mm single wall sewer
225/SWS6"TT90	225mm CorriPipe™ 90° Sewer Tee to connect 110/160mm single wall sewer
300/SWS6"TT90	300mm CorriPipe™ 90° Sewer Tee to connect 110/160mm single wall sewer

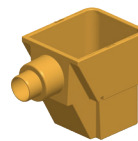
## Gullies

JFC polyethylene road gullies are designed to offer an integrated surface drainage system with enhanced water removal rates and increased flow characteristics.

Road gullies form an integral part of a total water management solution. They provide access to the surface or road drainage system for inspection and cleaning. JFC gullies have been designed to ensure the best possible flow characteristics (rounded internal corners with a smooth finish). They are available in a range of sizes and are suitable for a variety of applications.



CODE:	DESCRIPTION
YG01	940 x 698 x 450mm Outlet: 110/160mm



CODE:	DESCRIPTION
RG04	390 x 315 x 390mm Outlet: 110/160mm



RG01	Ø375 x 760mm
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RG05	390 x 315 x 390mm Outlet: 178mm
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RG03	Ø450 x 760mm
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## Pipe Joining Lubricant

Joining lubricant effectively lubricates plastic pipe for safe and efficient jointing assembly. Available in UK only.



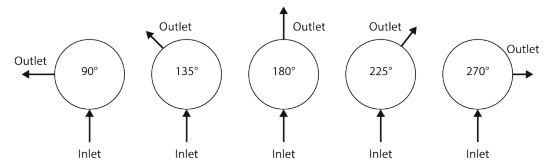
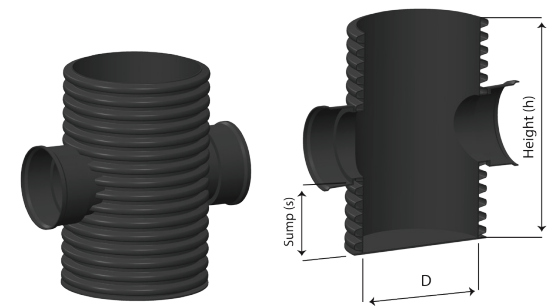
CODE:	DESCRIPTION
PL1000	1kg Tub - Pipe Joining Lubricant
PL2500	2.5kg Tub - Pipe Joining Lubricant

# Catch Pits

JFC design a range of catchpits / silt traps to separate silt and other particles. This improves the quality of water before it is reintroduced back into the drainage system. As each individual SuDS system is different, they are individually fabricated to take into account water flow rates and ground conditions that differ from site to site. JFC catchpits have been widely and successfully used for applications including railway and highway drainage systems.

<b>MATERIAL</b>	High Density Polyethylene
<b>APPLICATION</b>	Surface & Stormwater Drainage
<b>BASE PLATE</b>	Fully Welded
<b>CONNECTIONS</b>	Spigots as standard (couplers on request)
<b>CATCHPIT DIAMETERS (Ø)</b>	As per table below
<b>INLET &amp; OUTLET SIZES</b>	As per table below
<b>SUMP DEPTHS (S)</b>	300mm standard*
<b>HEIGHT (H)</b>	As requested*

\* Bespoke fabrications are made to order as per customer specific requirements - Please contact JFC for further details



Images for illustration purposes.

CATCHPIT DIAMETER	INLET & OUTLET SIZES	STANDARD SUMP	MAX DEPTH
Ø450mm	150 & 225mm	300mm	2000mm
Ø600mm	150, 225 & 300mm	300mm	2000mm
Ø750mm	150, 225, 300, 375, & 450mm	300mm	2000mm
Ø900mm	150, 225, 300, 375, 450, & 600mm	300mm	4000mm
Ø1050mm	150, 225, 300, 375, 450, & 600mm	300mm	4000mm
Ø1200mm	150, 225, 300, 375, 450, 600 & 750mm	300mm	4000mm
Ø1500mm	150, 225, 300, 375, 450, 600, 750, 900 & 1050mm	300mm	4000mm
Ø1800mm	150, 225, 300, 375, 450, 600, 750, 900 & 1050mm	300mm	4000mm
Ø2100mm	150, 225, 300, 375, 450, 600, 750, 900 & 1050mm	300mm	4000mm

## Features & Benefits

- Fast Installation.
- Designed to fit JFC CorriPipe.™
- Pre-Fabricated.
- Catchpit covers available on request.
- Bespoke as per customer specifications.

## Quality Assurance

JFC Catchpits - Network Rail Certificate of Acceptance PA05/05929.

# CorriDuct

CorriDuct is a Twinwall high density ducting pipe manufactured by twin extrusions process in which the two layers are simultaneously extruded one inside the other and heat welded together in one continuous process. It is suitable for the protection of electricity, gas and water supply services, street lighting cables and fibre optic cabling for television and telecommunications. It is supplied in black as standard.

PRODUCT CODE	DESCRIPTION	INTERNAL DIAMETER	OUTER DIAMETER	LENGTHS / PACK
110TPU	94mm duct (6m Length Incl. coupler)	94mm	110mm	100
118TPU	100mm duct (6m Length Incl. coupler)	100mm	118mm	81
150TPU	150mm duct (6m Length Incl. coupler)	150mm	178mm	33

## Colours Available

CorriDuct is available in the following colours:

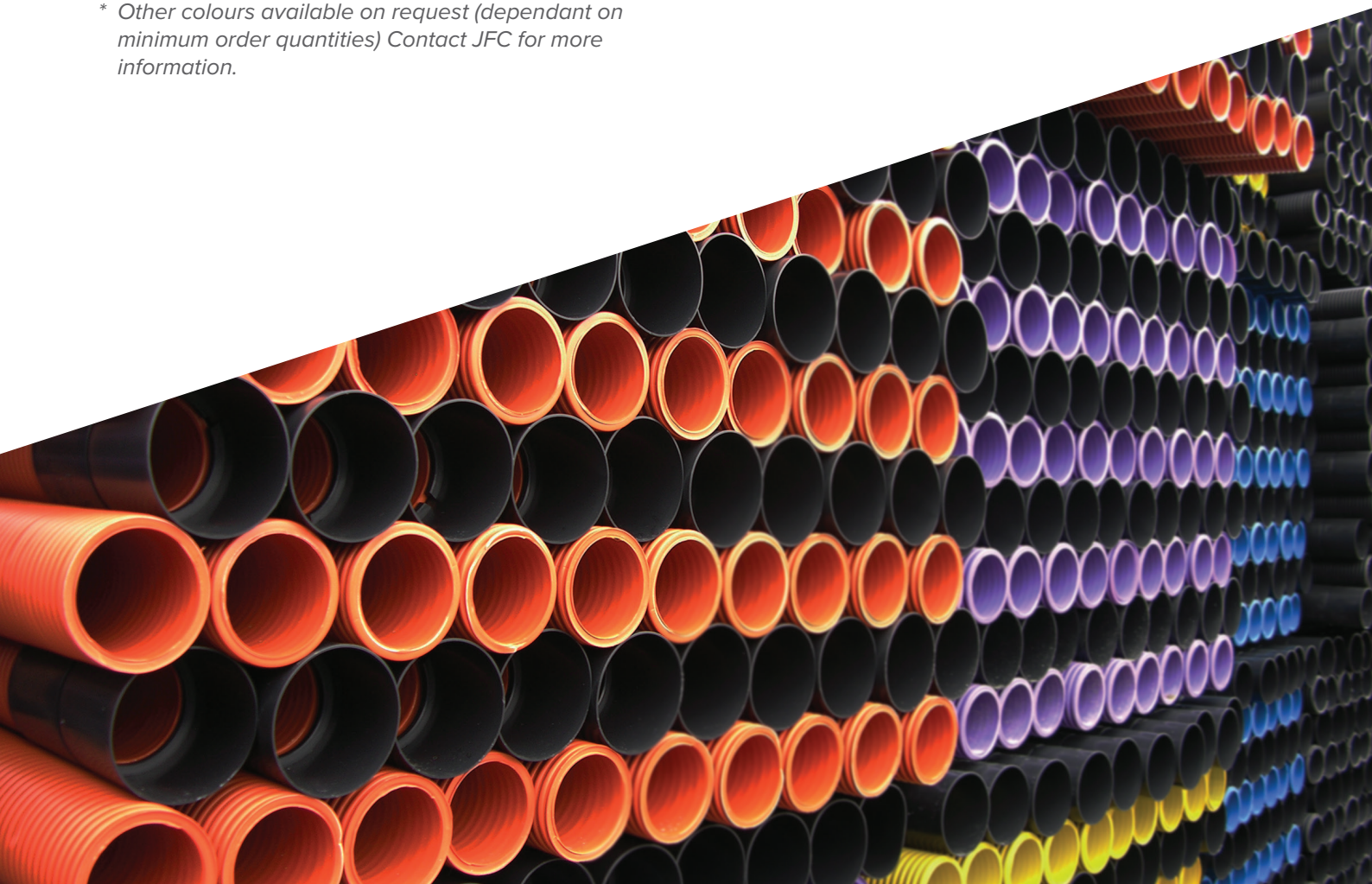
CODE:	COLOURS
110TPU	Black, Purple, Orange, Grey, Green & Red
118TPU	Black, Purple, Orange, Grey, Green & Red
150TPU	Available in Black as standard*

\* Other colours available on request (dependant on minimum order quantities) Contact JFC for more information.

## Quality Assurance

CorriDuct is manufactured and certified to the following specification:

- BS EN 61386-24 - Conduit Systems for Electrical Installations
- Quality approved to internationally recognised ISO 9001-2008 standard.





# CIVILS

[www.jfccivils.com](http://www.jfccivils.com)



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